



**Issue Date:** April 10, 2003

**SB Number:** SB0016A

**Product:** C510 Alternator

**Inspection:** CEN recommends that all vehicles equipped with C510 alternators should have the following electrical connections inspected and serviced annually.

Component	Procedure
Alternator connections: F+, F-, P1, P2, P3	Check for: <input checked="" type="checkbox"/> <b>good connections</b> —tighten connections, replace wiring or harness if damaged <input checked="" type="checkbox"/> <b>no corrosion</b> —disconnect cabling, clean connections and terminals with wire brush, if corrosion is excessive, replace components as needed. <input checked="" type="checkbox"/> <b>RTV coating</b> —check for corrosion (see above). If no corrosion is evident, apply coating of Dow Corning®*1-2577 Low VOC RTV coating or equivalent. Do not use coating containing acetic acid (vinegar odor) on electrical components.
Regulator connections: R and E terminals  Rectifier-to-regulator harness Harness extension (if installed)	Check for: <input checked="" type="checkbox"/> <b>same as for “Alternator connections” above</b>  Check for: <input checked="" type="checkbox"/> <b>same as for “Alternator connections” above plus—</b> <input checked="" type="checkbox"/> <b>sealed cavity of socket “B” in harness plug</b> —seal open cavity with sealant such as Dow Corning®* 3145 RTV or equivalent. <input checked="" type="checkbox"/> <b>lubricant in female connector cavity</b> —if no gel is visible, unplug connectors and apply Nyogel®** 760G or equivalent inside female cavity, then reattach. <input checked="" type="checkbox"/> <b>wrapped connectors</b> —apply 1-2577 RTV coating as indicated above, wrap electrical tape around connectors from sleeve to sleeve, making sure connection is sealed.
Rectifier connections: B+, B-, P1, P2, P3  Rectifier-to-alternator harness Field in-line harness	Check for: <input checked="" type="checkbox"/> <b>same as for “Alternator connections” above</b>  Check for: <input checked="" type="checkbox"/> <b>same as for “Alternator connections” above plus—</b> <input checked="" type="checkbox"/> <b>wrapped connectors</b> —apply 1-2577 RTV coating as indicated above, wrap electrical tape around connectors from sleeve to sleeve, making sure connection is sealed.

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